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SECTION E–E

SECTION F–F

SECTION C–C

SECTION B–B

SECTION A–A

SECTION K–K

SECTION G–G

SECTION H–H

SECTION D–D

SECTION J–J

DETAIL 'Y'
SCALE 1 : 1

VIEW Z
SCALE 1 : 5

LOCATION FOR PUNCHING 'T4 OS 4WD' (PART IDENTIFICATION MARKING)

LOCATION FOR VENDOR CODE/BATCH/MAHINDRA LOGO & HEAT CODE HERE (BOTTOM SIDE)

NOTES:
1) MFD SG 500/7 AS PER M&M STD FE G 00 0687.
2) HARDNESS
   2.1) 170–230BHN.
3) UNSPECIFIED CASTING TOLERANCE:
   3.1) AS PER ISO-8062:1994 - CT09.
   3.2) UNSPECIFIED TOOL RADII TO BE 0.8 MAX.
   3.3) DRAFT ANGLES TO BE 3° WHEREVER REQD.
   3.4) ALL UNSPECIFIED CORNER RADII TO BE 3.
   3.5) UNSPECIFIED FILLET RADII R6.
   3.6) UNSPECIFIED DRILL HOLE, TAPPED HOLE CHAMFER SHOULD BE 1x45°.
4) CASTING QUALITY:
   4.1) CASTING QUALITY ACCEPTANCE CRITERIA AS PER M&M STD FE G 00 0580.
   4.2) QUALITY DEFECTS AND INTERPRETATIONS AS PER M&M STD FE G 00 0578; CASTING SHOULD BE FREE FROM BLOW HOLES, POROSITY, COLD SHUT, SCABS & CRACKS.
5) SURFACE FINISH:
   5.1) CASTING SURFACE TO BE APPLIED WITH CHARCOAL GRAY PRIMER AS PER M&M STD FE G 00 0846 REVOO.
   5.2) MACHINED SURFACE SHOULD BE APPLIED WITH RUST PREVENTIVE OIL DW 36 OR RUSTOL OIL 346 OR EQUIVALENT GRADE.
   5.3) THREADED HOLES M18x2.5 – 16 NOS. (LOADER MOUNTING HOLES – 8NOS. ON EACH SIDE) & M16x2 – 4NOS. (JERRY CAN MOUNTING HOLES–FAS FRONT SIDE) TO BE PROTECTED BY PROTECTIVE CAPS.
   5.4) AS CAST SURFACE FINISH N11 BY VISUAL INSPECTION WITH REFERNCE TO RUBERT SCALE & REFER M&M STD NO FE F 00 0849 FOR OTHER ACCEPTANCE CRITERIA.
6) VENDOR CODE, BATCH, MAHINDRA LOGO & HEAT CODE TO BE EMBOSSED AND CLEARLY VISIBLE ON SPECIFIED SURFACE, LETTER SIZE 12 X 10 WITH HEIGHT 3. PART IDENTIFICATION CODE TO BE PUNCHED AS MENTIONED IN THE SPECIFIED LOCATION. (REFER VIEW 'AA')
7) REMOVE ALL BURRS & SHARP EDGES.
8) POSITION TOLERANCE APPLICABLE TO THREADED HOLES SHOULD BE MEASURED BEFORE TAPPING.
9) OTHER AS CAST DIMENSION TO BE AS PER 3D MODEL.
10) DEBURRING TO BE DONE ON THE TOP EDGES IN DETAIL 'Z'.
11) LOCATION, CLAMPING, RESTING & ORIENTATION POINTS TO BE CLEAN,SMOOTH & CAST FLAT.
12) CASTING IS COMMON FOR PART NOS. 008017714U01 & 008017301U01

ER/ECN NO.	C/L	LOC	REVISIONS	DSR	CKR	APR	DATE
ER21C0000295	AD		30 UPDATED FOR ENGINE MOUNT SPOT FACING AT 6 PLACES	SR	MAC	SAB	10_03_2022
		SB,BK	13, DIM 573 &14 DELETED				
		GR	12, TOLERANCE REMOVED FOR DIM 175				
		KK	11, DIM 53 MIN. UPDATED				
		ET	10, SECTION C-C POSITION UPDATED				
		JS,KR	9, DIM 81 WAS 83, DIM 44 WAS 42				
		HZ	8, RADIUS R29 (AS CAST) WAS DIA 58				
		BK,BM	7, VIEW NAME UPDATED.				
		CTS	6, TOLERANCE REMOVED FOR DIMENSION				
		113	5, DIM R53, R5, 1° DELETED				
		CTS	4, ANGLE 104° WAS 108°				
		EP	3, RADIUS R16 WAS R12				
		GS1	2, SECTION VIEW ADDED				
		BT	1, NOTE ADDED				
ER/ECN2OP0005084	AC			KB	MAC	SAB	11_04_2020
ER/ECN NO.	C/L	LOC	REVISIONS	DSR	CKR	APR	DATE
		K9	27, DIM 13 ±0.5 ADDED				
		BK,BJN	26, MACHINING ADDED ON SEC Z–Z				
		DS,BS	25, NOTES 4,2,5,3 & 6 UPDATED				
		K9	24, DIMN R22 WAS R22.2				
		L6	23, DIM 141±0.5 WAS 141				
		G5	22, M18x2.5 TAP DETAILS MODIFIED				
		K1	21, DIM'S 65, REMOVED & DIMN 67 ADDED				
		G6	20, DIMN 38±0.3 WAS 38				
		G1	19, DIMN 84 REMOVED & 67 ADDED				
		12	18, DIMN M16x2 TAP DETAILS MODIFIED				
		K10	17, DIMN CHAMFER 1x45° ADDED				
		B1,5	16, VIEW "AA" ADDED & PART IDENTIFICATION DETAILS MODIFIED				
		E12	15, DIMN (18) WAS 18				
		H12	14, DIMN 88 REMOVED FROM FRONT VIEW & ADDED IN SECTION H–H				
		J3,J5	13, DIMN 10±0.2 & 1 WAS 10,1±0.2 & 1.1				
		H11	12, DIMN 128 WAS 128.1				
ER/ECN NO.	C/L	LOC	REVISIONS	DSR	CKR	APR	DATE
ER19P0004567	AB	H5,L9	11, DIMN M10x1.5 TAP DETAILS MODIFIED	MV	HAP	SAB	31-07-19
ER/ECN NO.	C/L	LOC	REVISIONS	DSR	CKR	APR	DATE
ER19P0004188	AA	–	COMM FEEDBACK INCORPORATED	KB	HAP	SAB	14_02_2019
		I6,I1	10, DIMN R15 & 59 WAS DIMN R26.7 & 45.4				
		J6	9, DIMN 43°± WAS 43				
		E9	8, DIMN (37) & R16 WAS (37.1) & R16.2				
		E10, G8	7, DIMN 460±0.5, 60±0.25, 70±0.25MERE REMOVED & 352±0.5,176.5±0.3, 422±0.5 ADDED				
		–	6, DIMN 79.5,20,43.4,26.7,8.5,12, 25.35;10.81;116.133.4 & DETAIL 'X' WERE REMOVED				
		I13	5, DIMN R53, REMOVED FROM FRONT VIEW & ADDED IN SECTION G-G				
		B9	4, DIMN 64 WAS 63				
		C1, A5, I1,E10	3, SPOT FACING DIAMETER COMMONIZED TO Ø 42				
		I8,E10	2, M8x1.25 TAP DETAILS MODIFIED				
ER19P0004567	AB	H2	1, DIMN Ø 58 WAS R29.5	MV	HAP	SAB	31-07-19

UNSPECIFIED TOLERANCES AS PER ISO-2768-1:1989 (DIMENSION)

LINEAR in mm.	OVER	0.5	3	6	30	120	400	1000	2000
	UPTO	3	6	30	120	400	1000	2000	4000
f FINE	(0.05)	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	–
m MEDIUM	(0.1)	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
c COARSE	(0.2)	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
v VERY COARSE	(3)	–	±0.5	±1	±1.5	±2.5	±4	±6	±8

ANGULAR in deg.	LENGTH OF SHORTER SIDE OF THE ANGLE in mm.					
	OVER	10	50	120	400	-
	UPTO	10	50	120	400	-
f FINE	(0.05)	±1°	±0° 30'	±0° 20'	±0° 10'	±0° 5'
m MEDIUM	(0.1)					
c COARSE	(0.2)	±1° 30'	±1°	±0° 30'	±0° 15'	±0° 10'
v VERY COARSE	(3)	±3°	±2°	±1°	±0° 30'	±0° 20'

SURFACE FINISH SYMBOLS:-ISO-1302:1992
WELDING SYMBOLS:-IS 813:1986

MAHINDRA & MAHINDRA LTD.
FARM DIVISION, INDIA

ER/ECN NO:	ECN22P0006386
PART NO:	008017301U01
DESCRIPTION:	FRONT SPIRT AXLE – TREM IV OS 4WD
MATERIAL:	SEE NOTE
HEAT TREATMENT:	SEE NOTES
SURFACE TREATMENT:	SEE NOTES

	NAME	DATE
DRG STG : -		
C/L : AD	TRCT MODEL:TREM IV OS 4WD	
UNIT QTY : 1		
S/F AREA : 126134 cm²	DSNR	KB 27-11-18
WEIGHT : 96.4 kg	CHKR	HAP 27-11-18
SC COUNT : 3	APPR	SAB 27-11-18
CC COUNT : 16	MTL.APPR	CE 27-11-18
SF COUNT : 16	DRG SIZE	SCALE SHEET
	A0	1:2 1 of 1

BREAK SHARP CORNERS MAY BE EITHER CHAMFER OR RADIUS FROM 0.2 mm MIN. TO 1.0 mm MAX.

CHECK DRAWING WITH LATEST CHANGE No

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ALL DIMENSIONS ARE IN mm